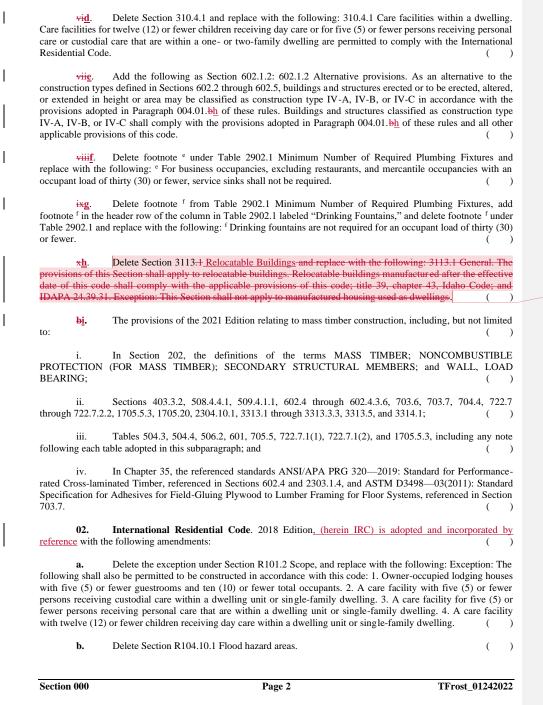
### 24.39.30 - RULES OF BUILDING SAFETY (BUILDING CODE RULES)

<b>000. LEGAL AUTHORITY.</b> The rules are promulgated pursuant to Section 39-4107, Idaho Code.	( )
001. SCOPE.	
The rules prescribe the criteria for enforcement and administration of the Idaho Building Code Board and the Division of Occupational and Professional Licenses.	Building Code Act by the Idaho
002 003. (RESERVED)	
004. ADOPTION AND INCORPORATION BY REFERENCE OF THE I CODE, PARTS ONE (1) THROUGH THREE (3) AND PART NINE (1X) RESIDENTIAL CODE FOR ONE (1)- AND TWO (2)- FAMILY DWELLI EXISTING BUILDING CODE, AND THE INTERNATIONAL ENERGY COUnder the provisions of Sections 39 4109 and 39 4109A, Idaho Code, the code hereby adopted and incorporated by reference into these rules.  01. International Building Code. The 2018 Edition, including the code in th	OF THE INTERNATIONAL NGS, THE INTERNATIONAL DISERVATION CODE. es enumerated in this section are  ( )
building accessibility, (herein IBC) is adopted and incorporated by reference with the	
a. 2018 Edition with the following amendments:	( )
ia. DeleteAmend Section 305.2.3; and replace with the following children in a dwelling unit. A facility such as the above within a dwelling unit children receiving such day care shall be classified as a Group R 3 occupancy or sl	and having twelve (12) or fewer hall comply with the International
Residential Code Replace the word "five" with the word "twelve (12)".	Commented [MH2]: Re-worded.
ii. Delete Section 308.2.4 and replace with the following: 308.2.4 Featstodial care. A facility with five (5) or fewer persons receiving custodial care s	
occupancy or shall comply with the International Residential Code.	Commented [MH3]: Addressed in 2018 IBC.
<b>iiib.</b> Delete Section 308.3.2 and replace with the following: 308.3.2 F medical care. A facility with five (5) or fewer persons receiving medical care st occupancy.	
iv. Delete Section 308.5.4 and replace with the following: 308. dwelling unit. A facility such as the above within a dwelling unit and having twelved day care or having five (5) or fewer persons receiving custodial care shall be classic	e (12) or fewer children receiving
shall comply with the International Residential Code.	Commented [MH4]: Addressed in 2018 IBC.
PeleteAmend Section 310.4 and replace with to add the following Residential Group R-3 occupancies where the occupants are primarily permaner Group R-1, R-2, R-4, E or I, including: I. Buildings that do not contain more that facilities that provide accommodations for five (5) or fewer persons receiving medical care. 3. Congregate living facilities (nontransient) with sixteen (16) or few focuses (nontransient), convents, dormitories, fraternities and sororities, and macilities (transient) with ten (10) or fewer occupants, including boarding house providing day care for twelve (12) or fewer children."—6. Lodging houses (transient)	at in nature and not classified as n two (2) dwelling units. 2. Care personal care, custodial care or ver occupants, including boarding conasteries. 4. Congregate living es (transient). 5. "Dwelling units"
rooms and ten (10) or fewer occupants.	Commented [MH5]: Re-worded.
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Commented [MH6]: Outside the scope of Title 39 Chapter 41; falls under Title 39 Chapter 43 & IDAPA 24.39.31 codes and standards.

- c. Delete Amend item number 7 under the "Building" subheading of Section R105.2: Work exempt from permit, and replace with the following: 7. Prefabricated swimming pools that are not greater than Replace the words "24 inches (610 mm)" with "four (4) feet (one thousand, two hundred nineteen (1219) mm)" deep.
- **d.** Add the following assexemption item number 11 under the "Building" subheading of Section R105.2 Work exempt from permit: 11. Flag poles.
- e. Delete Section R109.1.3 and replace with the following: R109.1.3 Floodplain inspections. For construction in areas prone to flooding as established by Table R301.2(1), upon placement of the lowest floor, including basement, the building official is authorized to require submission of documentation of the elevation of the lowest floor, including basement, required in Section R322.
  - **f.** Delete Section R301.2.1.2 Protection of Openings.
  - **g.** Delete Table R302.1(1) and replace with the following:

TABLE R302.1(1) - EXTERIOR WALLS

,	TABLE K302.1	(1) - EXTERIOR WALLS	
EXTERIO	OR WALL ELEMENT	MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour-tested in accordance with ASTM E 119, UL263, or Section 703.3 of the International Building Code with exposure from both sides	< 3 feet
	Not fire-resistance rated	≥ 3 feet	
Projections	1 hour on the underside, or Fire-resistance rated heavy timber, or fire retardant-treated wood <sup>a,b</sup>		≥ 2 feet to < 3 feet
	Not fire-resistance rated 0 hours		≥ 3 feet
On a sin a s	Not allowed	N/A	< 3 feet
Openings in Walls	25% maximum of wall area	0 hours	≥ 3 feet to < 5 feet
vvalis	Unlimited	0 hours	5 feet
Departmenting	All	Comply with Section R302.4	< 3 feet
Penetrations	All	None required	≥ 3 feet

For SI: 1 foot = 304.8 mm.

N/A = Not Applicable

<sup>a</sup> The fire-resistance rating shall be permitted to be reduced to zero (0) hours on the underside of the eave overhang if fireblocking is provided from the wall top plate to the underside of the roof sheathing.

 $^{\rm b}$  The fire-resistance rating shall be permitted to be reduced to zero (0) hours on the underside of the rake overhang where gable vent openings are not installed.

**h.** Delete Section R302.13 Fire protection of floors.

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Commented [MH7]: Re-worded.

Commented [MH8]: Re-worded.

i. units shall be p	Delete Section R303.4 and replace wit provided with whole-house mechanical ven			ion. Dwelling	
townhouses w	Delete the exception under Section F the following: Exception: Automatic res here either two (2) one (1)-hour fire-resist specified in item number 2 of Section R30 are made to existing townhouses that do	idential fire sprinkler ance-rated walls or a c 2.2.2 is installed betwe	systems shall not be common two (2)-hour en dwelling units or w	e required in fire-resistance then additions	
k.	Delete Section R313.2 One- and two-fa	mily dwellings automa	tic fire sprinkler syster	ms. ( )	
l.	Delete Amend the eExceptions: 1 unde to following: Exceptions: 1. Work involving:				
"but not limite siding, or the	ed to," after the words "such as" and before addition or replacement of windows or door on the requirements of this section. 2. In	ore the words "the replantation of a	acement" replacement porch or deck or elec	of roofing or trical permits,	
•	empt from the requirements of this section	1		( )	Commented [MH9]: Re-worded.
"but not limite siding, or the a are exempt fro	DeleteAmend the eExceptions: 1 under the following: Exceptions: 1. Work involving to," after the words "such as" and beford the following or the following t	g the exterior surfaces of ore the words "the replaces, or the addition of a llation, alteration or rep	of dwellings, such as, acement"-replacement porch or deck or elec	add the words  of roofing or trical permits,	
mechanical sys	stems are exempt from the requirements of	this section.		( )	Commented [MH10]: Re-worded.
n.	Delete Section R322.1.10 As-built elev	ation documentation.		( )	
<del>0,</del>	Delete Section R322.2.1 and replace				
have the lowe	structures in flood hazard areas, including st floors elevated to or above the base flo	od elevation. 2. In area	as of shallow flooding	(AO Zones),	
adjacent grade (610 mm) if a	structures shall have the lowest floors (ir of not less than the depth number specifi- depth number is not specified. 3. Basement flood elevation. Exception: Enclosed are	ed in feet (mm) on the floors that are below g	FIRM, or not less that trade on all sides shall	n two (2) feet be elevated to	
	t are not below grade on all sides, shall me			(—)	Commented [MH11]: Addressed in 2018 IRC.
<del>p.</del>	Delete subparagraph 2.1 of Section R				
	te following: 2.1. The total net area of all oot (0.093 m2) of enclosed area, or the oper				
include a state	ment that the design and installation of the	openings will provide	for equalization of hyd		
forces on exter	rior walls by allowing the automatic entry a	and exit of floodwaters.		$\longleftrightarrow$	Commented [MH12]: Addressed in 2018 IRC.
Minimum Wid	Delete Tables R403 Minimum Depth nimum Width and Thickness for Concrete Ith and Thickness for Concrete Footings fo nimum Width and Thickness for Concrete Finches).	Footings for Light-France Construction	me Construction (inchestion and Brick Veneer	es), R403.1(2) (inches), and	
<u>ғр</u> .	Add the following as Table R403.1:				
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# ${\bf TABLE~R403.1} \\ {\bf MINIMUM~WIDTH~OF~CONCRETE, PRECAST, OR~MASONRY~FOOTINGS~(inches)^a} \\$

	LOAD-BEARING VALUE OF SOIL (psf)										
	1,500	1,500 2,000 3,000 ≥ 4									
Conventional light-frame construction											
1-Story	12	12	12	12							
2-Story	15	12	12	12							
3-Story	23	17	12	12							
4-ir	nch brick veneer over	light frame or 8-inch h	nollow concrete masor	nry							
1-Story	12	12	12	12							
2-Story	21	16	12	12							
3-Story	32	24	16	12							
	8-inch s	olid or fully grouted n	nasonry								
1-Story	16	12	12	12							
2-Story	29	21	14	12							
3-Story	42	32	21	16							

For SI: 1 inch = 25.4 mm, 1 pound per square foot = 0.0479 kPa.

<sup>a</sup>Where minimum footing width is twelve (12) inches, use of a single wythe of solid or fully grouted twelve (12)-inch nominal concrete masonry units is permitted.

sq. Delete Section R403.1.1 and replace with the following: R403.1.1 Minimum size. Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). The footing width (W) shall be based on the load bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least six (6) inches in thickness (T). Footing projections (P) shall be at least two (2) inches and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2 and Figures R403.1(2) and R403.1(3).

tr. DeleteAmend Section R602.10 and replace with the following: R602.10 Wall bracing. Buildings shall be braced in accordance with this Section or, when applicable Section R602.12 and the words "or the most current edition of APA System Report SR-102 as an alternate method" after the words "Section R602.12". Where a building, or portion thereof, does not comply with one (1) or more of the bracing requirements in this Section, those portions shall be designed and constructed in accordance with Section R301.1.

03. International Existing Building Code. 2018 Edition.

**043. International Energy Conservation Code**. 2018 Edition, (herein IECC) is adopted and incorporated by reference with the following amendments:

( )

Commented [MH13]: Re-worded.

Commented [MH14]: Unnecessary place holder.

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- **a.** Add the following as Section C101.5.2: C101.5.2 Industrial, electronic, and manufacturing equipment. Buildings or portions thereof that are heated or cooled exclusively to maintain the required operating temperature of industrial, electronic, or manufacturing equipment shall be exempt from the provisions of this code. Such buildings or portions thereof shall be separated from connected conditioned space by building thermal envelope assemblies complying with this code.
- **b.** Add the following as an exception under Section C402.5 Air leakage—thermal envelope (Mandatory): Exception: For buildings having over fifty thousand (50,000) square feet of conditioned floor area, air leakage testing shall be permitted to be conducted on less than the whole building, provided the following portions of the building are tested and their measured air leakage is area-weighted by the surface areas of the building envelope: 1. The entire floor area of all stories that have any spaces directly under a roof. 2. The entire floor area of all stories that have a building entrance or loading dock. 3. Representative above-grade wall sections of the building totaling at least twenty-five percent (25%) of the above-grade wall area enclosing the remaining conditioned space. Floor area tested under subparagraphs 1. or 2. of this exception shall not be included in the twenty-five percent (25%) of above-grade wall sections tested under this subparagraph.
- e. Add the following as exception number 7 under Section C403.5 Economizers (Prescriptive): 7.

  Unusual outdoor air contaminate conditions—Systems where special outside air filtration and treatment for the reduction and treatment of unusual outdoor contaminants, makes an air economizer infeasible.

**d.** Delete Table C404.5.1 and replace with the following:

		C404.5.1 XIMUM PIPING LENGTHS	
NOMINAL	VOLUME	MAXIMUM PIPIN	G LENGTH (feet)
PIPE SIZE (inches)	(liquid ounces- per foot length)	Public lavatory faucets	Other fixtures- and appliances
1/4	<del>0.33</del>	<del>31</del>	<del>50</del>
<del>5/16</del>	0.5	N/A - non-standard size	<del>50</del>
3/8	0.75	17	<del>50</del>
<del>1/2</del>	<del>1.5</del>	<del>10</del>	43
<del>5/8</del>	2	7	<del>32</del>
3/4	3	5	24
7/8	4	N/A - non-standard size	<del>16</del>

**Commented [MH15]:** No statutory authority. Mechanical systems are governed by the adopted codes of Title 54 Chapter 50 ID HVAC Board.

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4	5	3	<del>13</del>
1 1/4	8	2	8
<del>1 1/2</del>	11	4	6
2 or larger	18	4	4

Commented [MH16]: No statutory authority. Plumbing systems are governed by the adopted codes of Title 54 Chapter 26 ID Plumbing Board.

- Delete Section C403 Building Mechanical Systems.
- Delete Section C404 Service Water Heating (Mandatory).
- Delete Section C405 Electrical Power and Lighting Systems.
  - Delete Section C406 Additional Efficiency Package Options.
  - Delete Section C407 Total Building Performance.
- Delete Section C408 Maintenance Information and System Commissioning.

For SI: 1 inch = 25.4 mm; 1 foot = 304.8 mm; 1 liquid ounce = 0.030 L; 1 gallon = 128 ounces.

- Delete Section C502.2.3 Building mechanical systems.
- Delete Section C502.2.4 Service water-heating systems.
- Delete Section C502.2.6 Lighting power and systems.
- Delete Section C503.4 Heating and cooling systems.
- Delete Section C503.5 Service hot water systems. Delete Section C503.6 Lighting systems.

Delete the rows in Table R402.1.2 for climate zones "5 and Marine 4" and "6" and replace with the following:

Commented [MH17]: No statutory authority. All mechanical, plumbing and electrical systems are governed by Title 54 Chapters 10, 26 & 50 and the codes adopted by the

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respective boards.

#### TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT a

Climate Zone	Fenestratio n U- Factor <sup>b</sup>	Skylight <sup>b</sup> U-factor	Glazed Fenestratio n SHGC <sup>b, c</sup>	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value <sup>i</sup>	Floor R-Value	Basement <sup>c</sup> Wall R-Value	Slab <sup>d</sup> R-Value & Depth	Crawlspace <sup>c</sup> Wall R-Value
5	0.32	0.55	NR	38	20 or 13+5 <sup>h</sup>	13/17	30 <sup>g</sup>	15/19	10, 2 ft	15/19

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6	0.30	0. 55	NR	49	22 or 13+5 <sup>h</sup>	15/20	30 <sup>g</sup>	15/19	10, 4 ft	15/19	
		55			1373						

**f.** Add the following as footnote  $^k$  to the title of Table R402.1.2 - Insulation and Fenestration Requirements by Component:  $^k$ . For residential log home building thermal envelope construction requirements see Section R402.6.

**g.** Delete the rows in Table R402.1.4 for climate zones "5 and Marine 4" and "6" and replace with the following:

#### TABLE R402.1.4 EQUIVALENT U-FACTORS <sup>a</sup>

Climate Zone	Fenestration U-factor	Skylight U-factor	Ceiling U-factor	Frame Wall U-factor	Mass Wall U-factor <sup>b</sup>	Floor U-factor	Basemen t Wall U-factor	Crawlspace Wall U-factor
5	0.32	0.55	0.030	0.060	0.082	0.033	0.050	0.055
6	0.30	0. 55	0.026	0.057	0.060	0.033	0.050	0.055

( )

h. Delete Section R402.4.1 and replace with the following: R402.4.1 Building thermal envelope. 1. Until June 30, 2021, the building thermal envelope shall comply with Sections R402.4.1.1 (Installation) and either Section R402.4.1.2 (Testing) or Section R402.4.1.3 (Visual inspection). 2. Effective July 1, 2021, the building thermal envelope of a minimum of twenty percent (20%) of all new single family homes constructed by each builder shall comply with Section R402.4.1.1 (Installation) and Section R402.4.1.2 (Testing). The authority having jurisdiction may: 2.1. Determine how to enforce this requirement, starting with the fifth house and continuing with each subsequent fifth house. 2.2. Waive this requirement if significant testing indicates the five (5) air changes per hour (ACH) requirement is consistently being met or exceeded (resulting in a lower ACH). 2.3. Grant exceptions to this requirement in rural areas where testing equipment is not available or cost effective. 3. Effective July 1, 2021, the building thermal envelope of eighty percent (80%) of all new single family homes constructed by each builder shall comply with Section R402.4.1.1 (Installation) and either Section R402.4.1.2 (Testing) or Section R402.4.1.3 (Visual inspection). 4. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

i. Delete Section R402.4.1.1 and replace with the following: R402.4.1.1 Installation. The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction.

pelete Section R402.4.1.2 and replace with the following: R402.4.1.2 Testing. Testing building envelope tightness and insulation installation shall be considered acceptable when tested air leakage is less than five (5) air changes per hour (ACH) when tested with a blower door at a pressure of 33.5 psf (50 Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. Testing shall be conducted in accordance with RESNET/ICC 380, ASTM E 779 or ASTM E 1827 and reported at a pressure of 0.2 inch w.g. (50 Pascals). During testing: 1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed. 2. Dampers shall be closed, but not sealed, including exhaust, intake, makeup air, backdraft and flue dampers. 3. Interior doors shall be open. 4. Exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and

**Commented [MH18]:** Unnecessary code language for testing option when visual method is sufficient.

Commented [MH19]: Addressed in 2018 IECC.

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sealed. 5. Heating and cooling system(s) shall be turned off. 6. HVAC ducts shall not be sealed. 7. Supply and re turn registers shall not be sealed. |

kh. Delete Add the following as Section R402.4.1.32 and replace with the follow: R402.4.1.32 Visual inspection. Building envelope tightness and insulation installation shall be considered acceptable when the items listed in Table R402.4.1.1, applicable to the method of construction, are field verified. Where required by code official an approved party independent from the installer of the insulation shall inspect the air barrier and insulation.

Ii. Add the following as Section R402.6: R402.6 Residential log home thermal envelope. Residential log home construction shall comply with Section R401 (General), Section R402.4 (Air leakage), Section R402.5 (Maximum fenestration U factor and SHGC), Section R403.1 (Controls), the mandatory sections of Sections R403.3 through R403.9, Section R404 (Electrical Power and Lighting Systems), and either 1., 2., or 3. as follows: L Sections R402.2 through R402.3, Section R403.3.1 (Insulation), Section R404.1 (Lightning equipment), and Table R402.6 (Log Home Prescriptive Thermal Envelope Requirements by Component).—2. Section R405 (Simulated Performance Alternative), 3. REScheek (U.S. Department of Energy Building Codes Program).

**mj.** Add the following as Table R402.6:

### TABLE R402.6 LOG HOME PRESCRIPTIVE THERMAL ENVELOPE REQUIREMENTS BY COMPONENT

For SI: 1 foot = 304.8 mm.

Climate Zone	Fenestration U-factor <sup>a</sup>	Skylight U-factor	Glazed Fenestration SHGC	Ceiling R-value	Min. Averag e Log Size In Inches	Floor R-value	Basement Wall R-value <sup>d</sup>	Slab R-value & Depth <sup>b</sup>	Crawl Space Wall R-value <sup>d</sup>
5, 6 - High efficiency equipment path <sup>c</sup>	0.32	0.60	NR	49	5	30	15/19	10, 4 ft.	10/13
5	0.32	0.60	NR	49	8	30	10/13	10, 2 ft.	10/13
6	0.30	0.60	NR	49	8	30	15/19	10, 4 ft.	10/13

<sup>&</sup>lt;sup>a</sup>The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.

<sup>c</sup>90% AFUE natural gas or propane, 84% AFUE oil, or 15 SEER heat pump heating equipment (zonal electric resistance heating equipment such as electric base board electric resistance heating equipment as the sole source for heating is considered compliant with the high efficiency equipment path).

d\*15/19" means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. \*15/19" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. \*10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

n. Delete Section R403.3.1 and replace with the following: R403.3.1 Duct insulation requirements.

allowed; and if visual options have shown sufficient, why have language for a testing option that is too difficult to enforce and creates delays.

**Commented [MH20]:** Over the years envelope tightness tests have been difficult to enforce when visual options are

**Commented [MH21]:** Due to the removal of the testing option.

**Commented [MH22]:** Remove the redundancy of thermal envelope requirements, mechanical and electrical requirements.

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<sup>&</sup>lt;sup>b</sup>R-5 shall be added to the required slab edge R-values for heated slabs.

Supply and return ducts located in an attic space shall have an R-value of not less than R-8.

- Delete Sections R403.3.6 and R403.3.7.
- p. Delete Section R403.5.3 and replace with the following: R403.5.3 Hot water pipe insulation (Prescriptive). Insulation for hot water piping with a thermal resistance, R value, of not less than R-3 shall be applied to the following: 1. Piping serving more than one (1) dwelling unit. 2. Piping located outside the conditioned space. 3. Piping located under a floor slab. 4. Buried piping. 5. Supply and return piping in recirculation systems other than demand recirculation systems.
- q. Delete Section R404.1 and replace with the following: R404.1 Lighting equipment (Mandatory).

  A minimum of seventy five percent (75%) of the lamps in permanently installed lighting fixtures shall be higherficacy lamps or a minimum of seventy five percent (75%) of the permanently installed lighting fixtures shall contain only high efficacy lamps.
  - k. Delete Section R403 Systems.
  - l. Delete Section R404 Electrical Power and Lighting Systems.
  - m. Delete Section R405 Simulated Performance Alternative (Performance).
- Rating Index (ERI) shall be determined in accordance with RESNET/ICC 301. Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design.
  - **<u>so.</u>** Delete Table R406.4 and replace with the following:

Table R406.4 - Maximum Energy Rating Index

Climate Zone	Energy Rating Index <sup>a</sup>	
5	68	
6	68	

<sup>&</sup>lt;sup>a</sup> Where on-site renewable energy is included for compliance using the ERI analysis of Section R406.4, the building shall meet the mandatory requirements of Section R406.2, and the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.2 or Table R402.1.4 of the 2015 International Energy Conservation Code.

**95.** References to Other Codes. Where any provisions of the codes that are adopted in this Section make reference to other construction and safety related model codes or standards which have not been adopted by the involved authority having jurisdiction, to the extent possible, such reference should be construed as pertaining to the equivalent code or standard that has been duly adopted by such jurisdiction.

#### 005. -- 025. (RESERVED)

#### 026. DEFINITIONS.

The terms defined in this section have the following meaning for all parts of this chapter, unless the context clearly indicates another meaning:

01. Listed. Equipment or other building components included within a current list published by a recognized listing agency that maintains periodic inspection on current production of listed equipment or other building components and whose listing states either that the equipment or component complies with recognized standards or has been tested and determined to be suitable for the use intended.

**Commented [MH23]:** Mechanical & Plumbing system requirements are governed by the codes adopted by Title 54 Chapters 26 & 50 and their respective boards.

**Commented [MH24]:** Electrical system requirements are governed by the codes adopted by Title 54 Chapter 10 and the ID electrical board.

**Commented [MH25]:** No statutory authority: Mechanical, Plumbing & Electrical systems are governed by codes adopted by Title 54 Chapters 10, 26 & 50 and respective boards.

**Commented [MH26]:** Codes adopted and enforced are addressed in statute.

**Commented [MH27]:** I-codes provide substantive definition

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<b>03. Minor Alteration</b> . The following definition is used for the purpose of administering annual permits.	
<b>a.</b> Minor alterations shall include, but are not limited to, the following: partition walls constructed within a defined room; relocation of or existing openings or installation of new doors and windows in non-load bearing walls and not in construction meant to compartmentalize fire; window replacement in unaltered existing openings; roof repairs involving installation of less than one hundred (100) square feet of new roof covering; and new suspended ceilings that are not part of a required fire resistive assembly.	
<b>b.</b> Minor alterations shall not include: work that alters the fire resistive characteristics of the building or fire suppression systems; work that creates new openings in construction meant to compartmentalize fire such as fire walls, fire barriers, fore partitions, smoke barriers, smoke partitions, horizontal assemblies, shaft enclosures, stair enclosures; work that increases the floor area or height of the building; work that changes the structural load path of the building for gravity or horizontal loads; work that reduces the thermal resistant capacity of the building envelop; changes in the occupancy classification of the building or space; increases in the floor loads.	
027. PERMITS.	
01. Building Permits. Building permits shall be obtained from the Division prior to the construction	
of structures governed by the act or rules promulgated by the Board. ()	Commented [MH28]: Addressed in 39-4111.
building, the Division may issue an annual permit upon application therefor to any state agency or state governmental organization regularly employing one (1) or more qualified trade persons in the building, structure or on the premises or campus owned or operated by the applicant for the permit. The agency to whom an annual permit is issued shall keep a detailed record of alterations made under such annual permit. The Division shall be allowed access to such records at all times or such records shall be filed with the Division as designated. The permit holder shall request inspections and make the work accessible for inspection as required by the adopted codes and this rule.	
028. PLAN REVIEW.	
<b>01. Jurisdiction.</b> The Division shall have exclusive jurisdiction and authority to conduct plan reviews of the construction, additions, repairs, and occupancy of all state buildings of any agency of government at the state level for any purposes or occupancy regardless of the source of funding for such construction, addition, repair, or	
occupancy. ()	Commented [MH29]: Addressed in 39-4113.
021. Plans Specifications. Construction documents shall be dimensioned and drawn upon suitable	
material. Plans may be submitted electronically or in digital format as approved by the Division. Drawing format shall be equivalent to the paper format. Construction documents shall be of sufficient clarity to indicate the location, nature, and extent of the work proposed and show in detail that the installations will conform to the provisions of the	
shall be equivalent to the paper format. Construction documents shall be of sufficient clarity to indicate the location,	Commented [MH30]: Unnecessary code language.
shall be equivalent to the paper format. Construction documents shall be of sufficient clarity to indicate the location, nature, and extent of the work proposed and show in detail that the installations will conform to the provisions of the	Commented [MH30]: Unnecessary code language.

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Listing Agency. A person, firm, association, partnership or corporation which is in the business of

listing or labeling and which maintains a periodic inspection program on current production of listed materials, and which makes available, not less frequently than annually, a published report of such listing in which specific information is included that the product has been tested to nationally approved standards and found safe for use in a

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specified manner.

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change in work requests deal with structural or fire resistance changes, or such other changes affecting code conformance, shall be submitted to the Division for approval. The use of the terms "addenda," "change orders," and "changes in work requests" are not be limited exclusively to such phraseology, but may include such other language used in the professions which essentially have the same meaning.

#### 029. FEES.

**01. Technical Service Fee**. One hundred dollars (\$100) per hour.

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#### 02. Building Permit Fees.

The determination of value or valuation will be made by the administrator and includes the total value of all construction work for which a permit is issued.

TABLE 1-A - BUILDING PERMIT FEES		
Total Valuation	Fee	
\$1 to \$500	= \$23.50	
\$501 to \$2,000	= \$23.50 for the first \$500 plus \$3.05 for each additional \$100, or fraction thereof, to and including \$2,000	
\$2,001 to \$25,000	= \$69.25 for the first \$2,000 plus \$14 for each additional \$1,000, or fraction thereof, to and including \$25,000	
\$25,001 to \$50,000	= \$391.75 for the first \$25,000 plus \$10.10 for each additional \$1,000, or fraction thereof, to and including \$50,000	
\$50,001 to \$100,000	= \$643.75 for the first \$50,000 plus \$7 for each additional \$1,000, or fraction thereof, to and including \$100,000	
\$100,001 to \$500,000	= \$993.75 for the first \$100,000 plus \$5.60 for each additional \$1,000, or fraction thereof, to and including \$500,000	
\$500,001 to \$1,000,000	= \$3,233.75 for the first \$500,000 plus \$4.75 for each additional \$1,000, or fraction thereof, to and including \$1,000,000	
\$1,000,001 to \$5,000,000	= \$5,608.75 for the first \$1,000,000 plus \$3.65 for each additional \$1,000, or fraction thereof, to and including \$5,000,000	
\$5,000,001 to \$10,000,000	= \$20,208.75 for the first \$5,000,000 plus \$2.75 for each additional \$1,000, or fraction thereof, to and including \$10,000,000	
\$10,000,001 and up	= \$33,958.75 for the first \$10,000,000 plus \$2 for each additional \$1,000, or fraction thereof	

03. Fees for Annual Permits. A fee for inspections performed on annual permits shall be charged at the rate of one hundred dollars (\$100) per hour inspection. The Division shall bill the applicant for annual permits and failure of the applicant to pay the fee within sixty (60) days may result in cancellation of the annual permit.(

04. Plan Review Fees. Plan review fees shall be charged at an hourly rate of one hundred dollars

**Commented [MH31]:** Unnecessary code language attempting to address too many variables.

**Commented [MH32]:** To remain consistent with all other inspection fees within BCRE bureau - operations.

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(\$100) per hour up to a maximum of sixty-five percent (65%) of the calculated building permit fee with a minimum required fee of forty percent (40%) of the calculated building permit fee. All requests for plan review services shall at such time be accompanied by a payment in the amount of at least forty percent (40%) of the calculated building permit fee. Upon completion of the plan review, any additional fees, above the minimum required, are due to the Division by the requesting party.

05. Refund of Plan Review Fees. Plan review fees are non-refundable.

#### 030. RIGHT OF ENTRY.

Whenever necessary to make an inspection to enforce any of the provisions of Title 39, Chapters 40 and 41, Idaho Code, or whenever the administrator or his authorized representative has reasonable cause to believe that there exists in any building or upon any premises, any condition which makes such building or premises unsafe, the administrator or his authorized representative shall enter such building or premises at all reasonable times to inspect the same or to perform any duty imposed upon the Division by Title 39, Chapters 40 and 41, Idaho Code; provided that if such building or premises is occupied, he shall first present proper credentials and demand entry; and if such building or premises be unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and demand entry. If such entry is refused, the administrator shall have recourse to every remedy provided by law to secure entry.

#### 031. WORK PROCEEDING WITHOUT PERMIT OR APPROVAL.

Where any work for which a permit or approval, to include plan or system approval, is required by these rules, or by the codes enumerated in Title 39, Chapter 41, Idaho Code, is started or proceeded prior to obtaining said approval or permit, and after notice to such person doing or causing such work to be done, and such person continues or causes to continue such work, the fees specified in these rules shall be doubled, but the payment of such double fee shall not relieve any persons from fully complying with the requirements of Title 39, Chapter 41, Idaho Code, or these rules in the execution of the work nor from any other penalties prescribed by law.

#### 032. STOP WORK ORDERS.

Whenever any work is being done contrary to any provisions of the codes enumerated in Title 39, Chapter 41, Idaho Code, or contrary to these rules, the administrator or his authorized representative may order the work stopped by notice in writing to any persons engaged in such work, and any such persons shall forthwith stop such work until authorized by the administrator or his representative to proceed with the work. Stop work orders shall be accompanied by a notice of violation that states the specific violation and code reference.

033. -- 037. (RESERVED)

## ${\tt 038.}$ $\,$ INTEGRATED DESIGN AND FUNDAMENTAL COMMISSIONING OF PUBLIC SCHOOL FACILITIES.

**91. Definitions.** The following definitions are intended to supplement, and should be read in conjunction with the definitions contained in Section 33 356, Idaho Code.

a. Fundamental Commissioning. A quality focused process for enhancing the delivery of a project. It makes use of a qualified third party employed directly by the building owner.

b. Integrated Design. Integrated design refers to a collaborative design effort in which each of the individual architectural or engineering professionals focuses on the whole building approach, with an emphasis on optimizing the building's performance, environmental sustainability, and cost savings, to include climate, use, loads and systems resulting in a more comfortable and productive environment, and a building that is more energy-efficient than would be realized using current best practices.

**021. Technical and Educational Information**. Technical and educational information related to integrated design and fundamental commissioning in the form of the American Institute of Architects Integrated Project Delivery Guide; Portland Energy Conservation, Inc. (PECI) Commissioning Guides; ASHRAE Guideline 0-2005-The Commissioning Process; and the Northwest Energy Efficiency Alliance Integrated Design Special Focus on Energy Performance Guide is available <u>aton</u> the Division's <u>website</u> <u>office locations including 1090 E.</u>

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Commented [MH34]: Addressed in Chapter 1 of both IRC & IRC

**Commented [MH35]:** Addressed in Chapter 1 of both IRC & IBC.

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commissioned under the	n, Idaho 83642, and 1250 Ironwood Dr., Ste. 220, Coeur d'Alene, Idaho 83814. A building prescriptive approaches defined by any of the above-named national organizations de the Fundamental Commissioning process.	
list of all known third pa	issioning Agents. The Division has compiled and made available for public examination arty building commissioning agents in Idaho and its contiguous states. The Division has commissioning agents appearing on this list have been certified by the Buildin ion (BCA) or other similar certifying entity.	as
04 <u>3</u> . Annual	l Optimization Review. (	)
pursuant to Section 33-35	tic school building that qualifies for the school building replacement value calculation (56(5)(a), Idaho Code, shall undergo an annual optimization review each year following that the involved school district seeks to qualify such building for the building replacement (	he
relevant measuring criter performs the initial funda	stems within a building required to undergo annual optimization review, as well as ar ria for such systems, shall be formulated by the third party commissioning agent th amental commissioning. The school district shall be provided with a written report from the ntifying the systems which will be subject to the annual optimization review along with an	at he
c. The repto, at least the following:	port required above in Paragraph 038.043.b. of these rules shall include, but is not limited (	ed )
	ation that the heating, ventilation, and air conditioning (HVAC) controls, dampers, valvement used to control the system are functioning as they were at the commissioning of the commission of the	
ii. Verifica building.	ation that the lighting controls are functioning as they were at the commissioning of the	he )
	quirement that any changes made to any of the controls contained on the agent's list aft g be re-set back to the commissioned settings unless it can be demonstrated that the ne energy efficiency.	
<b>d.</b> The and determinations and adjust	nual optimization review shall be performed by persons qualified to make the require tments.	ed )
identified by the commiss	hool district shall submit to the Division written verification indicating that the system sioning agent, including those identified in this Section are functioning as they were at the written verification shall also identify the persons performing the optimization and the	he
school district with the commissioning anniversa building replacement valu the annual commissioning	issioning Anniversary Date. The date upon which the commissioning agent provides the required written report described in Paragraph 038.043_b. of these rules shall be the try date for purposes of this Section. If a school district seeks to qualify a building for the calculation, the annual optimization review shall be performed within thirty (30) days are anniversary date following the first year the building is in operation. The written Paragraph 038.03.e. of these rules is due to the Division not later than sixty (60) days afting anniversary date.	he he of en
06 <u>5</u> . Fundar	mental Building Commissioning Requirements.	)
a. School engage a building commis	districts seeking to qualify a building for the building replacement value calculation shassioning agent.	all

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- b. The commissioning agent must document the owner's requirements for each commissioned system in the facility. All HVAC and controls systems, duct work and piping, renewable and alternative technologies, lighting controls and day lighting, waste heat recovery, and any other advanced technologies incorporated in the building must be commissioned. Building envelope systems must also be verified. The owner's requirements for these systems may include efficiency targets and other performance criteria such as temperature and lighting levels that will define the performance criteria for the functional performance testing that occurs prior to acceptance.
- c. The commissioning agent shall include commissioning requirements in the project construction documents. This includes the scope of commissioning for the project, the systems to be commissioned, and the various requirements related to schedule, submittal reviews, testing, training, O & M manuals, and warranty reviews.
- **d.** The commissioning agent shall develop and utilize a commissioning plan. This plan must include an overview of the commissioning process for the project, a list of commissioned systems, primary commissioning participants and their roles, a communication and management plan, an outline of the scope of commissioning tasks, a list of work products, a schedule, and a description of any commissioning testing activities.
- ${f e.}$  The commissioning agent must submit a report to the owner once the commissioning plan has been executed.

039. -- 999. (RESERVED)